



**Missouri
Department of
Natural Resources**

		Average Monthly wind speed (MPH)						= Outside data collection period						= Lost data during period						Calculation of Average Wind Speed (Year to date average; if less than 12 months, not an annual average)																							
								Vertical line shading = Corrected by omitting hours when affected by ice						= Value subject to change																													
Location & site #	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Notes:	Total of readings year #1	Readings used in average for year #1	Average wind speed measured at 20 Meters YTD in year #1			
Unionville # 1105 (Shelton)	Data available on-line at: http://www.undeerc.org/wind/winddb/framespage.asp?Site=236_5														10.2	10.6	12.6	12.0	10.9	9.8	8.4	7.8	9.5	9.8	13.1	11.2	13.0	11.6	12.5	13.14	11.19	8.41	8.18							20M values estimated based on 10M reading plus 66% of diff between 10M and 30M readings.	125.6	Jan 05 to Dec 05	10.47
RockPort NW 2105 (Wolf)																					13.4	11.1	13.1	10.9	13.6	13.5	12.2	9.9							Data collection started on Nov 7, 2005. Feb revised due to sensor icing	97.7	8	12.21					
Langdon 2205 (Richards)																						10.7	12.6	11.3	13.5	13.2	11.6							Data collection started on Nov 30, 2005 Data lost between May 17 and June 28, 2006. May adjusted to reflect average without missing data.	72.9	6	12.15						
Mound City 2305 (Pederson)																					11.3	9.4	10.6	9.2	11.6	10.9	10.2	7.1							Data collection started on Nov 8, 2005	80.3	8	10.04					
Phelps City 2405 (Stanton)																					12.3	9.8	11.5	10.6	13.4	12.4	10.9	8.8							Data collection started on Nov 9, 2005	89.7	8	11.21					
Smithville 2505 (Doores)																						10.3	11.2	10.5	12.6	11.5	9.9	8.6							Data collection started on Dec 5, 2005	74.6	7	10.66					
North Holt Co 2606 (Thompson)																																					Data collection started on April 12, 2006	33.5	3	11.17			
Parnell 2706 (Keever)																																					Data collection started March 9, 2006	50.8	4	12.70			
Savannah #1605 (Yurkonis)														Tower installation delayed due to winter weather						11.7	10.6	9.4	7.8	7.3	8.9	9.8	11.9	10.7	12.1	10.8	13.5	13.6							Data collected from April 21, 2005 until April 11, 2006. Ave speed for Feb 06 revised due to sensor icing.	138.1	13	10.62	
Westboro #2005 (Rolf)														Tower installation delayed due to winter weather						14.6	14.7	12.9	10.2	8.9	11.9	12.3	14.7	12.8	15.0	13.9	16.0	17.1							Data collection April 20, 2005 thru April 11, 2006. Data missing from 08:10 on 11/1/05 to 18:10 on 11/2/05.	157.9	12	13.16	
Skidmore 1003 (Slaughter)	14.5	12.9	14.2	15	15	15	11.0	9.5	10.0	13	13	12.6	14.0	11.6	11.8	14.7	14.6	14.3	12.9	10.4	9.1	12.7	12.2	14.7	12.5	14.9	12.5	16.0	15.4	14.1	10.9						ONGOING at site 1003	155.0	Jan 04 to Dec 04	12.92			
Skidmore 1006 (replacement anemometer on tower #1003)								Note, a new three cup anemometer was added to the Skidmore tower, #1003, on April 13, 2006 to make it possible to compare the performance of the new sensor (referred to as #1006, site 10, installed in 2006) with the sensor that was installed in December 2003, (#1003) and continues to be in service.																								13.4	13.5	10.3						Replacement anemometer (#1006) installed April 13, 2006.	37.2	3	12.40